Presentation of Minor Project 2

"ANALYSIS OF SENTIMENTS ON SOCIAL MEDIA POSTS"

Group Members

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- SUBMITTED TO :

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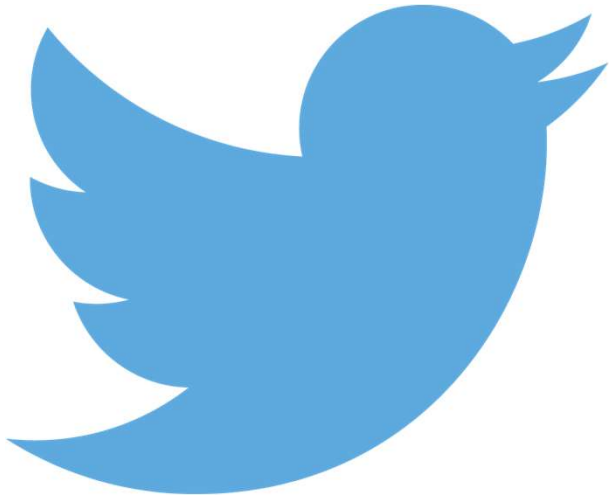
About

The project "Analysis of Sentiment in Social Media Posts using Machine Learning and Natural Language Processing" aims to develop a system that can automatically analyze the sentiment of social media posts using machine learning and natural language processing techniques. The system can collect social media posts from various sources, preprocess the text data, extract relevant features, train a sentiment classification model, and provide real-time sentiment analysis results on a web platform.

What are we working upon :

- 1. sentiments of posts on twitter using python , ML , NLP
- 2. learning the datasets and preprocess for better result.

ANALYZING TWITTER POSTS…



Primary reason to choose this Project

- The system will take in a large dataset of social media posts and will perform sentiment analysis on them. This analysis will classify each post as having a positive, negative, or neutral sentiment.

Major Requirements

- 1. python
- 2.Google colab
- 3.text
- 4.images
- 5. kaggle
- 6. train dataset
- 7.test dataset
- 8. machine learning
- 9.natural language processing

Things we have done so far

- **Working Methodology of the Project**
- The working methodology for the project involves a combination of data collection, data preprocessing, feature extraction, machine learning model training, evaluation, and deployment. The methodology will require a good understanding of natural language processing, machine learning algorithms,
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Things we are going to do …

- As if we are going to learn more technologies in machine learning , we'll be able to analyze sentiments of Instagram and other social sites too in future.

Scope of the Project

- Finally, the sentiment analysis system will be deployed on a web platform to allow users to input social media posts and get real-time sentiment analysis results.
- Scope concludes :
- 1.Data Collection: The project will involve collecting a large dataset of social media posts, such as tweets or Facebook updates, from various sources.
- 2.Data Preprocessing: The text data will be preprocessed using natural language processing techniques such as tokenization, stemming, and stop-word removal to extract relevant features and remove noise from the dataset.
- 3.Sentiment Classification Model: The project will train a sentiment classification model using machine learning algorithms such as Naive Bayes, Support Vector Machines, or Random Forests. The model will learn to classify social media posts as having a positive, negative, or neutral sentiment.
- 4.Evaluation Metrics: The performance of the sentiment classification model will be evaluated using metrics such as accuracy, precision, and recall..

references

- **Quora**
- **kaggle**
- **twitter**
- **Google colab**
- **Google docs**

Website (links)

- Links :
- Train dataset: https://raw.githubusercontent.com/dD2405/Twitter_Sentiment_Analysis/master/train.csv
- Test dataset : https://raw.githubusercontent.com/dD2405/Twitter_Sentiment_Analysis/master/test.csv
- twitter image : http://clipart-library.com/image_gallery2/Twitter-PNG-Image.png
- google colab link to source code : https://colab.research.google.com/drive/1TTExXT86hZ9tRpTQFAcyaby6u8ayXKTH#scrollTo=PdhSISZQi2sz

THANKYOU !